

6G-B7 is a beam power pentode designed for use as a horizontal deflection amplifier in television receivers employing the picture tube of 110° deflection angles.

BASE B8-118, B7-119, B6-122 or B5-190

Octal

TOP CAP C1-2 Skirted miniature

MOUNTING POSITION—Any

HEATER

Voltage6.3 (V)

Current1.2 (A)

DIRECT INTERELECTRODE

CAPACITANCES (Without Shield)

Grid No.1 to Plate0.55 (pF)

Input17.5 (pF)

Output7 (pF)

MAXIMUM RATINGS (Design Center Values)§

TYPICAL OPERATION

D.C. Plate Voltage	700 (V)
Peak Pulse Plate Voltage	$\begin{cases} +7,700\Delta \\ -1,850 \end{cases}$ (V)
Grid No. 2 Voltage	250 (V)
Peak Negative Grid No. 1 Voltage	-1,000 (V)
Plate Dissipation	15 (W)
Grid No. 2 Dissipation	5 (W)
Total Cathode Current	200 (mA)
Peak Heater—Cathode Voltage	
Heater negative with respect to cathode	225 (V)
Heater positive with respect to cathode	225 Δ (V)
Grid No. 1 Circuit Resistance	
For Grid Resistor Bias	1.0(M Ω)

Plate Voltage	40	100 (V)
Grid No. 2 Voltage	100	100 (V)
Grid No. 1 Voltage	0	-7.7 (V)
Plate Current	240	100 (mA)
Grid No. 2 Current	19	7 (mA)
Transconductance	--	14,000 (μ S)
Plate Resistance	--	5.3 (k Ω)

(Approx.)

§ For operation in a 525-line, 30-frame television system.

◇ The duration of the voltage pulse must not exceed 15 per cent of one horizontal scanning cycle.

Under no circumstances should this absolute value be exceeded.

△ The D.C. component must not exceed 100 volts.

AVERAGE PLATE CHARACTERISTICS

